

Case 356 : Narrative

| | |
|-----------------------------------|-----------------------------------|
| Case Vehicle (A): 2002 Oldsmobile | Vehicle (B): 1993 White/GMC/Volvo |
| Type: Silhouette, 4-door minivan | Type: Tractor-trailer |
| Driver: 77-year-old male | Driver: 65-year-old male |
| CDC: 12-FZAA-8 | CDC: 99-0000-0 |

SITUATION

1 It was dark, the weather was clear, and the four-lane, limited-access, divided roadway was dry and free of defects. 2 Case vehicle (A) was traveling east at an unknown speed in the right eastbound lane. 3 Vehicle (B), a tractor-trailer combination, was also traveling east in the right eastbound lane and was ahead of case vehicle (A). The driver of case vehicle (A) either fell asleep or was inattentive and case vehicle (A) struck the rear of vehicle (B), resulting in an underride/override configuration. Case vehicle (A) became snagged on the trailer of vehicle (B) for a short distance before case vehicle (A) became disengaged. Case vehicle (A) came to rest facing east in the eastbound lane, while vehicle (B) made a controlled stop on the right shoulder of the roadway. Case vehicle (A) was towed due to damage and vehicle (B) was driven from the scene. The police accident report indicates B-level injuries for the male driver of case vehicle (A) and he was transported by ambulance to a local level-one trauma center where he was hospitalized for twenty days. The police accident report indicates O-level injuries for the male driver of vehicle (B) and he did not seek treatment.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

4 6 Damage to case vehicle (A) was severe with most of the damage occurring above the level of the bumper and hood, primarily involving the windshield, the right A-pillar, and the right half of the windshield header. Direct damage at the level of the bumper

began at the right-front bumper corner and extended 100 cm to the left, resulting in a vehicle overlap (VOL) of 63 percent. A similar level of overlap occurred at the level of the greenhouse. [5](#) Maximum crush at the bumper level was 7 cm and occurred near the bumper center. The right wheelbase was extended by 3 cm and the left wheelbase was unchanged.

[7](#) Damage to vehicle (B) was minor and only involved the underride bar attached to the rear of the trailer. This vehicle was not inspected but an on-scene photo of the rear of the trailer was obtained.

The severe override/underride configuration of this crash invalidates the use of the WinSMASH crash reconstruction program, so a reconstructed estimate of the crash severity to case vehicle (A) is not available. This vehicle was equipped with an EDR (event data recorder) and, although the frontal-impact airbags deployed, the data obtained from the downloaded EDR file for the crash event are default values and valid EDR data were only obtained for a previous near-deployment event.

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

[8](#) In the front, the right half of the bumper was damaged from direct contact with the underride bar of vehicle (B), but the crash damage was probably altered during its separation from vehicle (B). The right headlight assembly was shattered and the right portions of the grille and radiator were damaged. [9](#) The top surface of the hood was damaged along the right side from underriding the rear of vehicle (B). The hood was crushed down and there were some tears in the sheet metal. The hood latch was jammed shut but it was damaged by the fire/rescue crew when they accessed the engine compartment to cut the battery cables. Both the right and left hood hinges were damaged, but they were not separated. The rear edge of the hood was not elevated and

it did not contact the windshield. [10](#) The right A-pillar, the right half of the windshield header, and the right half of the windshield were damaged and crushed rearward by direct contact with the rear of vehicle (B). The entire windshield was damaged, the majority of the upper bond was separated, and the plastic interlayer was torn from top to bottom along the right edge. [4](#) Rearward movement of the right A-pillar and the right half of the windshield header caused remote buckling of the left A-pillar, which was displaced in and to the right.

[11](#) [12](#) [13](#) On the right side, the fender was crushed rearward and it was torn from the vehicle. The upper portion of the right A-pillar was crushed to the rear, which caused the front portion of the right roof siderail to fold under and the entire roof siderail to buckle up. The window frame of the right-front door was damaged and bent out and to the right. The lower portion of the right A-pillar was also crushed to the rear, which caused the right-front door to severely deform and buckle out. Although the door was severely damaged, it remained connected to the vehicle by the door hinges and striker/latch. The right-front door did not open, but the door glazing was shattered and the door latch was damaged and it was not functional. The right-rear sliding door was slightly misaligned and jammed shut, but the door glazing was not damaged. There was no other right side damage but the right wheelbase was increased by 3 cm.

[14](#) There was no damage to the rear of the vehicle. The rear lift door was closed and operational and the rear glazing was not damaged.

[15](#) [16](#) [17](#) On the left side, the upper portion of the A-pillar and the left roof siderail were remotely deformed, causing a slight separation between the door window frame and the roof siderail. The left-side doors remained closed and operational and there was no damage to the left-side glazing. There was no other left-side damage and there was no change in the left wheelbase.

Interior

[18](#) [19](#) This vehicle was equipped with steering-wheel and passenger frontal-impact airbags, and both airbags deployed during the offset-frontal override/underride impact with the rear end of the trailer and the underride bar.

In the driver area, [18](#) [20](#) [21](#) there were no bloodstains and there were no contact marks on the steering-wheel airbag or the airbag module flaps/doors. [22](#) [23](#) [24](#) The spokes of the steering-wheel rim were not damaged and there was no deflection of the steering-wheel rim. There was no apparent rotation of the steering column, [25](#) the instrument panel in the driver area was damaged and pushed slightly rearward, and [26](#) [27](#) there was a small bloodstain on the rearward edge of the upper instrument panel shroud. [28](#) [29](#) The driver knee bolster cover was loose and there was a slight cloth transfer to the right side of the steering column, probably from contact by the driver's right knee. [33](#) [34](#) [35](#) [36](#) The windshield header in the driver area was crushed rearward and there were scuffmarks and hair deposits on the header/visor directly in front of the driver seat, but the sunvisor was not damaged. [37](#) The left half of the windshield was cracked throughout and partially torn, but there was no evidence of occupant contact. The interior panel of the driver door and [25](#) the driver seat were not damaged in the crash, but the seat cushion was damaged after the crash by an acid spill. [32](#) There was no apparent toepan or floorpan deformation in the driver area.

In the center-front area, [30](#) the vertical console was displaced to the rear but it was not significantly damaged. [31](#) The air vents in the center of the instrument panel were displaced and there was a bloodstain near the right side of the center vents.

In the right-front seating area, [19](#) [38](#) the passenger airbag was not damaged, but the module door was deformed due to direct contact by vehicle (B). [39](#) The top surface of the upper instrument panel was scraped and abraded, probably from contact by the rear of vehicle (B). [40](#) The right half of the windshield was severely cracked and torn from contact by vehicle (B), but there was no evidence of occupant contact. [41](#) [42](#) The

instrument panel in the right-front seating area was pushed to the rear and over the right-front seat cushion but there was no apparent damage to the seat cushion. The upper portion of the right A-pillar was severely damaged but there was no evidence of occupant contact. [43](#) [44](#) The roof and roof siderails were deformed, the roof-mounted console was displaced, and the right side of the headliner was torn, but there was no evidence of occupant contact. [12](#) The right-front interior door panel was deformed and cracked due to outward buckling of the right-front door.

[45](#) [46](#) There was no damage in the second seating row.

The following intrusions were noted and measured [47](#) [48](#) [49](#) :

| Location | Component | Distance (cm) | Direction |
|--------------|-------------------|---------------|-----------|
| driver | instrument panel | 27 | to rear |
| | windshield header | 20 | to rear |
| | roof siderail | 5 | to right |
| center front | vertical console | 30 | to rear |
| right front | windshield header | 45 | to rear |
| | instrument panel | 47 | to rear |
| | toe pan | 17 | to rear |

OCCUPANT KINEMATICS AND INJURIES

[18](#) The 6-ft, 3-in, 240-lb 77-year-old male driver was not using the available three-point belt and the steering-wheel airbag deployed. [50](#) [51](#) [52](#) There was no evidence of occupant loading on the plastic D-ring, belt webbing, or continuous loop that would indicate belt use. The driver seat was in the rearmost track position with the seatback slightly reclined and the steering wheel was tilted to the lowest position.

On impact, the driver moved forward relative to the vehicle interior, into and over the airbag. He sustained an abrasion to the center of the forehead and a closed head injury with brief loss of consciousness and temporary short-term memory loss (i.e., amnesiac to crash event), probably from head contact with the windshield header/sunvisor, as evidenced by scuffmarks and hair deposits on both of these components. He sustained fractures to the left lamina of C7 and the spinous process of C6, probably from rearward bending of the neck during head contact with the header/visor. He sustained abrasions to the nose and a right periorbital contusion, possibly from contact by the deploying airbag or from contact with the windshield header/sunvisor. He sustained contusions to the left forearm, probably from contact by the deploying airbag, and contusions to upper right arm and to the right side of the chest, possibly from contact by the deploying steering-wheel airbag. He sustained fractures to left ribs 10 through 12 and a spleen laceration, probably from contact with the lower rim of the steering wheel. He also sustained a contusion to the posterior aspect of the left shoulder, possibly from contact with the seatback during rebound from the frontal impact.

The following table and attached drawing [53](#) summarize the injuries for the unbelted driver of case vehicle (A).

| Occupant: Driver | | Age: 77 years | | Gender: Male | |
|--|--------|------------------------------|--|--|--|
| Restraints: Steering-wheel airbag | | Stature: 191 cm (6 ft, 3 in) | | Mass: 109 kg (240 lb) | |
| Injury Description | A.I.S. | Injury Source | | | |
| | | Definite | Probable | Possible | |
| — | — | Definite | Probable | Possible | |
| Closed head injury, brief loss of consciousness, amnesiac to crash event | 2 | — | Windshield header/sunvisor | — | |
| Fracture, left lamina of C7 | 3 | — | Rearward bending of neck due to head contact with windshield header/sunvisor | — | |
| Fracture, spinous process of C6 | 2 | — | Rearward bending of neck due to head contact with windshield header/sunvisor | — | |
| Abrasion, center of forehead | 1 | — | Windshield header/sunvisor | — | |
| Contusion, right periorbital area | 1 | — | — | Deploying airbag; windshield header/sunvisor | |
| Abrasion, nose | 1 | — | — | Deploying airbag; windshield header/sunvisor | |
| Fractures, left ribs 10, 11, and 12 | 2 | — | Steering-wheel rim | — | |
| Abrasion, right side of chest | 1 | — | — | Deploying airbag | |
| Laceration, spleen (grade 3) | 3 | — | Steering-wheel rim | — | |
| Contusion, posterior aspect of left shoulder | 1 | — | — | Seatback (rebound) | |
| Contusion, upper right arm | 1 | — | — | Deploying airbag | |
| Contusion, left forearm | 1 | — | Deploying airbag | — | |
| Maximum A.I.S. Level | 3 | — | — | — | |
| Injury Severity Score | 22 | — | — | — | |

CASE NO.: 356-02

CASE VEHICLE: 2002 Oldsmobile

TYPE: Silhouette, minivan

OCCUPANT: (Driver): 77-year-old male

STATURE: 191 cm (6 ft, 3 in) MASS: 109 kg (240 lb)

RESTRAINTS: steering-wheel airbag

SEVERITY: MAIS - 3 : ISS - 22

Closed head injury, brief loss of consciousness, amnesic to events (2)

Contusion, right periorbital area (1)

Abrasion, right side of chest (1)

Contusion, upper right arm (1)

Abrasion, center of forehead (1)

Abrasion, nose (1)

Contusion, posterior left shoulder (1)

Grade 3 laceration, spleen (3)

Contusion, left forearm (1)



Fracture, spinous process of C6 (2)

Fracture, left lamina of C7 (3)

Fractures, left ribs #10, #11, and #12 (2)

Case No.: 356-02

Case Veh. (A): 2002 Oldsmobile

Type: Silhouette, minivan

Driver: 77-year-old male

Veh. (B): 1993 White/GMC/Volvo tractor/trailer

Weather: Clear

Road Surface: Dry

Road Construction: Asphalt

Light Conditions: Dark

Open Median



Speed limit 70 mph (113 kph)

paved shoulder



paved shoulder

Eastbound Lanes

Vehicle Report

General

Conditions

| Variable Number and Name | Code Value | Code Description | Other Options |
|--|------------|--------------------------|----------------------|
| V206 — Urban/Rural Area | 2 | Rural | more |
| V207 — Limited Access Highway | 1 | Yes | more |
| V208 — Road Total Lanes | 5 | Divided, 4 lanes or more | more |
| V209 — Intersecting Road Total Lanes | 8 | Not applicable | more |
| V210 — Road Surface Type | 1 | Asphalt | more |
| V211 — Road Defects | 0 | No | more |
| V212 — Construction Zone | 0 | No | more |
| V213 — Road Alignment Vertical Plane | 1 | Level | more |
| V214 — Road Alignment Horizontal Plane | 1 | Straight | more |
| V215 — Surface Covering | 10 | Dry | more |
| V216 — Visibility Limitation | 0 | None | more |
| V217 — Visibility Obstruction | 0 | None | more |
| V218 — Speed Limit | 8 | 106+ km/h .. 65+ mph | more |
| V219 — Precipitation Type | 0 | None | more |
| V220 — Precipitation Rate | 8 | Not applicable | more |
| V221 — Temperature | 9 | Unknown | more |
| V222 — Crosswind | 9 | Unknown | more |
| V223 — Light Conditions | 5 | Dark, unlighted | more |
| V224 — Mechanical Malfunction Mention | 0 | No | more |
| V225 — Case Vehicle and Object | 0 | No | more |

| | | | |
|---|----|-------------------------------|----------------------|
| V226 — Case Vehicle Rollover | 0 | No | more |
| V227 — Case Vehicle Ran Off Roadway | 0 | No | more |
| V228 — Moving Case Vehicle/Contacted Moving Vehicle | 1 | Yes | more |
| V229 — Case Vehicle/Contacted Stopped Vehicle | 0 | No | more |
| V230 — Stopped Case Vehicle/Contactd Vehicle | 0 | No | more |
| V231 — Total Vehicles Hit By Case Vehicle | 1 | 1 vehicle | more |
| V232 — Any Fire in Crash | 0 | No | more |
| V233 — Max Police Severity-PAR | 2 | B - Non-Incapacitating Injury | more |
| V234 — Driver Alcohol Involvement | 0 | Had not been drinking | more |
| V235 — Driver Alcohol BAC | 80 | Not tested | more |
| V236 — Driver Impairment Mention | 0 | No | more |
| V237 — Driven/Towed From Scene | 2 | Towed Due to Damage | more |

Other Vehicle

| Variable Number and Name | Code Value | Code Description | Other Options |
|---|--------------|--|----------------------|
| V301 — Other Vehicle VIN | 4V1WDBJF3PN6 | — | — |
| V302 — Other Vehicle Manufacturer/Body Code | 16738 | — | — |
| V303 — Other Vehicle Manufacturer | 167 | White (including Autocar) | more |
| V304 — Other Vehicle Body Code | 38 | Truck-tractor with semi-trailer | more |
| V305 — Other Vehicle Make/Model | 8130 | Volvo White GMC 6x4 Tractor with trailer | more |
| V306 — Other Vehicle Model Year | 1993 | — | — |
| V307 — Other Vehicle Mass | 999999 | Unknown | more |
| V308 — Other Vehicle Number | 0 | No separate report | more |
| V309 — Other Vehicle Number of Occupants | 01 | — | — |
| V310 — Other Vehicle Traveling Speed | 999 | Unknown | more |
| V311 — Highest Police Injury Severity | 0 | 0 - No Injury | more |
| V312 — Other Vehicle Type | 38 | Tractor and semi-trailer (semi) | more |
| V313 — Other Vehicle Wheelbase (cm) | 999 | Unknown wheelbase | more |
| V314 — Average Track Width | 999 | Unknown | more |
| V315 — Overall Length | 999 | Unknown | more |
| V316 — Overall Width (OAW) | 999 | Unknown | more |
| V317 — Front Overhang (FOH) | 999 | Unknown | more |
| V318 — Rear Overhang (ROH) | 999 | Unknown | more |
| V319 — Undeformed End Width (UEW) | 999 | Unknown | more |
| V320 — Engine Displacement | 9.9 l | — | — |

| | | | |
|------------------------------------|-----|---------------------------|----------------------|
| V321 — Engine: Number of Cylinders | 99 | Unknown | more |
| V322 — Direct Damage Length (DDL) | 999 | Unknown | more |
| V323 — Front-End Overlap % (FEO) | 99 | Missing or Not applicable | more |
| V324 — Vehicle Overlap % (VOL) | 99 | Missing or Not applicable | more |

Case Vehicle

General

| Variable Number and Name | Code Value | Code Description | Other Options |
|---------------------------------------|--------------|-------------------------|----------------------|
| V401 — VIN | 1GHDX63E52D2 | — | — |
| V402 — Manufacturer/Body Code | 11411 | — | — |
| V403 — Vehicle Manufacturer | 114 | Oldsmobile | more |
| V404 — Vehicle Body Code | 11 | — | — |
| V405 — Make/Model Code | 0670 | Silhouette APV | more |
| V406 — Model Year | 2002 | — | — |
| V407 — Vehicle Mass | 001791 kg | — | — |
| V408 — Odometer Reading | 888888 | — | — |
| V409 — Number of Occupants | 01 | — | — |
| V410 — Traveling Speed | 999 | Unknown | more |
| V411 — Body Type | 24 | Van (small) | more |
| V412 — Stolen Vehicle | 8 | Not currently collected | more |
| V413 — Body Structure | 2 | Unitized | more |
| V414 — Transmission Type | 1 | Automatic | more |
| V415 — Transmission Lever Location | 3 | Column | more |
| V416 — Steering | 1 | Power | more |
| V417 — Brakes | 1 | Power | more |
| V418 — Brake Type | 9 | Unknown | more |
| V419 — Brake Anti-lock Device | 9 | Unknown | more |
| V420 — Air Conditioning in Vehicle | 8 | Not currently collected | more |
| V421 — Drive Type | 2 | Front wheel | more |
| V422 — Dual Rear Wheels | 0 | No | more |
| V423 — Original Restraint System Type | 3 | Airbag | more |

| | | | |
|------------------------------------|--------------|-------|----------------------|
| V424 — Equipped With Roll Bar | 0 | No | more |
| V425 — Roof Type | 1 | Solid | more |
| V426 — Wheelbase | 305 cm | — | — |
| V427 — Anti-lacerative Glass | 0 | None | more |
| V428 — Average Track Width | 159 cm | — | — |
| V429 — Overall Length | 511 cm | — | — |
| V430 — Overall Width (OAW) | 185 cm | — | — |
| V431 — Front Overhang | 095 cm | — | — |
| V432 — Rear Overhang | 112 cm | — | — |
| V433 — Undeformed End Width (UEW) | 152 cm | — | — |
| V434 — Engine Displacement | 3.4 <i>l</i> | — | — |
| V435 — Engine: Number of Cylinders | 06 | — | — |
| V436 — Direct Damage Length (DDL) | 100 cm | — | — |
| V437 — Front End Overlap % (FEO) | 66 | — | — |
| V438 — Vehicle Overlap % (VOL) | 63 | — | — |

Case Vehicle

Damage

Description

| Variable Number and Name | Code Value | Code Description | Other Options |
|--|------------|---|----------------------|
| V501 — Maximum Crush - Front | 007 cm | — | — |
| V502 — Maximum Crush - Right Side | 000 cm | No crush (or less than 1 cm.) | more |
| V503 — Maximum Crush - Rear | 000 cm | No crush (or less than 1 cm.) | more |
| V504 — Maximum Crush - Left Side | 000 cm | No crush (or less than 1 cm.) | more |
| V505 — Maximum Crush - Roof | 000 cm | No crush (or less than 1 cm.) | more |
| V506 — Maximum Crush - Other | 000 cm | No crush (or less than 1 cm.) | more |
| V507 — Are Events In Chronological Order | 1 | Yes | more |
| V508 — Event 1 Impact Location | 1 | On Roadway | more |
| V509 — Event 1 Impact Configuration | 14 | FRONT of case veh - REAR of contacted Vehicle | more |
| V510 — Event 1 Object/Vehicle Contacted | 38 | Tractor and semi-trailer (semi) | more |
| V511 — Event 2 Impact Location | 8 | No 2nd event | more |
| V512 — Event 2 Impact Configuration | 88 | No 2nd event | more |
| V513 — Event 2 Object/Vehicle Contacted | 00 | No object/vehicle contacted | more |
| V514 — Event 3 Impact Location | 8 | No 3rd event | more |
| V515 — Event 3 Impact Configuration | 88 | No 3rd event | more |
| V516 — Event 3 Object/Vehicle Contacted | 00 | No object/vehicle contacted | more |
| V517 — Event 4 Impact Location | 8 | No 4th event | more |
| V518 — Event 4 Impact Configuration | 88 | No 4th event | more |

| | | | |
|--|---------|---|----------------------|
| V519 — Event 4 Object/Vehicle Contacted | 00 | No object/vehicle contacted | more |
| V520 — Event 5 Impact Location | 8 | No 5th event | more |
| V521 — Event 5 Impact Configuration | 88 | No 5th event | more |
| V522 — Event 5 Object/Vehicle Contacted | 00 | No object/vehicle contacted | more |
| V523 — Event 6 Impact Location | 8 | No 6th event | more |
| V524 — Event 6 Impact Configuration | 88 | No 6th event | more |
| V525 — Event 6 Object/Vehicle Contacted | 00 | No object/vehicle contacted | more |
| V526 — Event 7 Impact On Road | 8 | No 7th event | more |
| V527 — Event 7 Impact Configuration | 88 | No 7th event | more |
| V528 — Event 7 Object/Vehicle Contacted | 00 | No object/vehicle contacted | more |
| V529 — Primary CDC Case Vehicle -event Number | 1 | Event 1 | more |
| V530 — Primary CDC Case Vehicle - impact speed | 999 | Unknown | more |
| V531 — Primary CDC Case Vehicle - Estimated By | 1 | Investigator | more |
| V532 — Primary CDC Case Vehicle -crush | 007 | — | — |
| V533 — Primary CDC Case Vehicle -clock #1 | 12 | 12 o'clock | more |
| V534 — Primary CDC Case Vehicle letter 1 #1 | 06 | F - Front | more |
| V535 — Primary CDC Case Vehicle letter 2 #1 | 26 | Z - Side or end (B + P or R + C) | more |
| V536 — Primary CDC Case Vehicle letter 3 #1 | 01 | A - All | more |
| V537 — Primary CDC Case Vehicle letter 4 #1 | 01 | A - Overhanging Structures (inverted top) | more |
| V538 — Primary CDC Case Vehicle Extent #1 | 08 | Extent 8 | more |
| V539 — Primary CDC Case Vehicle -CDC #1 | 12FZAA8 | — | — |

| | | | |
|---|---------|-----------------------------|----------------------|
| V541 — Primary CDC Case Vehicle letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V542 — Primary CDC Case Vehicle letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V543 — Primary CDC Case Vehicle letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V544 — Primary CDC Case Vehicle letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V545 — Primary CDC Case Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V546 — Primary CDC Case Vehicle -CDC #2 | 9800000 | — | — |
| V547 — Primary CDC Contacted Vehicle - Impact Speed | 999 | Unknown | more |
| V548 — Primary CDC Contacted Vehicle - Estimated By | 1 | Investigator | more |
| V549 — Primary CDC Contacted Vehicle -crush | 999 | Unknown | more |
| V550 — Primary CDC Contacted Vehicle -clock #1 | 99 | Unknown or no damage | more |
| V551 — Primary CDC Contacted Vehicle letter 1 #1 | 00 | Missing Data/Not applicable | more |
| V552 — Primary CDC Contacted Vehicle letter 2 #1 | 00 | Missing Data/Not applicable | more |
| V553 — Primary CDC Contacted Vehicle letter 3 #1 | 00 | Missing Data/Not applicable | more |
| V554 — Primary CDC Contacted Vehicle letter 4 #1 | 00 | Missing Data/Not applicable | more |
| V555 — Primary CDC Contacted Vehicle Extent #1 | 00 | Missing Data/Not applicable | more |
| V556 — Primary CDC Contacted Vehicle -CDC #1 | 9900000 | — | — |
| V558 — Primary CDC Contacted Vehicle letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V559 — Primary CDC Contacted Vehicle letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V560 — Primary CDC Contacted Vehicle letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V561 — Primary CDC Contacted Vehicle letter 4 #2 | 00 | Missing Data/Not applicable | more |

| | | | |
|---|---------|---------------------------------------|----------------------|
| V562 — Primary CDC Contacted Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V563 — Primary CDC Contacted Vehicle -CDC #2 | 9800000 | — | — |
| V564 — Secondary CDC Case Vehicle - Event No | 8 | Not applicable | more |
| V565 — Secondary CDC Case Vehicle - Impact Speed | 998 | Not Applicable | more |
| V566 — Secondary CDC Case Vehicle - Estimated By | 8 | Not applicable (no vehicle/no impact) | more |
| V567 — Secondary CDC Case Vehicle -crush | 998 | Not Applicable | more |
| V568 — Secondary CDC Case Vehicle -clock #1 | 98 | Not Applicable | more |
| V569 — Secondary CDC Case Vehicle letter 1 #1 | 00 | Missing Data/Not applicable | more |
| V570 — Secondary CDC Case Vehicle letter 2 #1 | 00 | Missing Data/Not applicable | more |
| V571 — Secondary CDC Case Vehicle letter 3 #1 | 00 | Missing Data/Not applicable | more |
| V572 — Secondary CDC Case Vehicle letter 4 #1 | 00 | Missing Data/Not applicable | more |
| V573 — Secondary CDC Case Vehicle Extent #1 | 00 | Missing Data/Not applicable | more |
| V574 — Secondary CDC Case Vehicle -CDC #1 | 9800000 | — | — |
| V576 — Secondary CDC Case Vehicle letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V577 — Secondary CDC Case Vehicle letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V578 — Secondary CDC Case Vehicle letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V579 — Secondary CDC Case Vehicle letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V580 — Secondary CDC Case Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V581 — Secondary CDC Case Vehicle -CDC #2 | 9800000 | — | — |
| V582 — Secondary CDC Contacted Vehicle - Impact Speed | 998 | Not Applicable | more |

| | | | |
|---|---------|---------------------------------------|----------------------|
| V583 — Secondary CDC Contacted Vehicle - Estimated By | 8 | Not applicable (no vehicle/no impact) | more |
| V584 — Secondary CDC Contacted Vehicle - crush | 998 | Not Applicable | more |
| V585 — Secondary CDC Contacted Vehicle -clock #1 | 98 | Not Applicable | more |
| V586 — Secondary CDC Contacted Vehicle letter 1 #1 | 00 | Missing Data/Not applicable | more |
| V587 — Secondary CDC Contacted Vehicle letter 2 #1 | 00 | Missing Data/Not applicable | more |
| V588 — Secondary CDC Contacted Vehicle letter 3 #1 | 00 | Missing Data/Not applicable | more |
| V589 — Secondary CDC Contacted Vehicle letter 4 #1 | 00 | Missing Data/Not applicable | more |
| V590 — Secondary CDC Contacted Vehicle Extent #1 | 00 | Missing Data/Not applicable | more |
| V591 — Secondary CDC Contacted Vehicle -CDC #1 | 9800000 | — | — |
| V593 — Secondary CDC Contacted Vehicle letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V594 — Secondary CDC Contacted Vehicle letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V595 — Secondary CDC Contacted Vehicle letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V596 — Secondary CDC Contacted Vehicle letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V597 — Secondary CDC Contacted Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V598 — Secondary CDC Contacted Vehicle -CDC #2 | 9800000 | — | — |

Crash Severity

| Variable Number and Name | Code Value | Code Description | Other Options |
|---|------------|-------------------|----------------------|
| V601 — Case Vehicle Primary Impact Number | 1 | — | — |
| V602 — Primary Impact Total Delta-V | 999 | Unknown | more |
| V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V | 9999 | — | — |
| V604 — Primary Case Vehicle Reconstructed Lateral Delta-V | 9999 | — | — |
| V605 — Primary Case Vehicle Reconstructed Crush Energy | 9999 | — | — |
| V606 — Primary Impact Case Vehicle -reconstruction | 11 | Beyond Scope | more |
| V607 — Primary Case Vehicle Reconstruction Mode | 5 | Not reconstructed | more |
| V608 — Primary Contacted Vehicle Reconstructed Total Delta-V | 999 | Unknown | more |
| V609 — Primary Contacted Vehicle Reconstructed Longitudinal Delta-V | 9999 | — | — |
| V610 — Primary Contacted Vehicle Reconstructed Lateral Delta-V | 9999 | — | — |
| V611 — Primary Contacted Vehicle Reconstructed Crush Energy | 9999 | — | — |
| V612 — Case Vehicle Secondary Impact Number | 8 | — | — |
| V613 — Secondary Case Vehicle Reconstructed Total Delta-V | 888 | N/A | more |
| V614 — Secondary Case Vehicle Reconstructed Longitudinal Delta-V | 8888 | — | — |
| V615 — Secondary Case Vehicle Reconstructed Lateral Delta-V | 8888 | — | — |
| V616 — Secondary Case Vehicle Reconstructed Crush Energy | 8888 | — | — |
| V617 — Secondary Case Vehicle Reconstruction Note | 88 | — | — |

| | | | |
|---|------|-------------------|----------------------|
| V618 — Secondary Case Vehicle Reconstruction Mode | 8 | Not applicable | more |
| V619 — Secondary Contacted Vehicle Reconstructed Total Delta-V | 888 | N/A | more |
| V620 — Secondary Contacted Vehicle Reconstructed Longitudinal Delta-V | 8888 | — | — |
| V621 — Secondary Contacted Vehicle Reconstructed Lateral Delta-V | 8888 | — | — |
| V622 — Secondary Contacted Vehicle Reconstructed Crush Energy | 8888 | — | — |
| V623 — Case Vehicle Primary Impact Number | 1 | — | — |
| V624 — Primary Case Vehicle Reconstructed Total EBS | 999 | Unknown | more |
| V625 — Primary Case Vehicle Reconstructed Longitudinal EBS | 9999 | — | — |
| V626 — Primary Case Vehicle Reconstructed Lateral EBS | 9999 | — | — |
| V627 — Primary Case Vehicle Reconstructed Crush Energy | 9999 | — | — |
| V628 — Primary Case Vehicle Reconstruction Note | 11 | Beyond Scope | more |
| V629 — Primary Case Vehicle Reconstruction Mode | 5 | Not reconstructed | more |
| V630 — Primary Contacted Vehicle Reconstruction Total EBS | 999 | Unknown | more |
| V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS | 9999 | — | — |
| V632 — Primary Contacted Vehicle Reconstruction Lateral EBS | 9999 | — | — |
| V633 — Primary Contacted Vehicle Reconstruction Crush Energy | 9999 | — | — |
| V634 — Case Vehicle Secondary Impact Number | 8 | Not applicable | more |
| V635 — Secondary Case Vehicle Reconstruction Total EBS | 888 | N/A | more |
| V636 — Secondary Case Vehicle Reconstruction Longitudinal EBS | 8888 | — | — |
| V637 — Secondary Case Vehicle Reconstruction Lateral EBS | 8888 | — | — |

| | | | |
|--|---------|----------------|----------------------|
| V638 — Secondary Case Vehicle Reconstruction Crush Energy | 8888 | — | — |
| V639 — Secondary Case Vehicle Reconstruction Note | 88 | — | — |
| V640 — Secondary Case Vehicle Reconstruction Mode | 8 | Not applicable | more |
| V641 — Secondary Contacted Vehicle Reconstruction Total EBS | 888 | N/A | more |
| V642 — Secondary Contacted Vehicle Reconstruction Longitudinal EBS | 8888 | — | — |
| V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS | 8888 | — | — |
| V644 — Secondary Contacted Vehicle Reconstruction Crush Energy | 8888 | — | — |
| V645 — Case Vehicle Reconstructed Impact Number | 1 | — | — |
| V646 — Case Vehicle Impact 1 Plane | 1 | Bumper | more |
| V647 — Case Vehicle Impact 1 Direct Damage Length [DDL] | 100 cm | — | — |
| V648 — Case Vehicle Impact 1 Max Crush | 007 cm | — | — |
| V649 — Case Vehicle Impact 1 Field-L | 152 cm | — | — |
| V650 — Case Vehicle Impact 1 C1 | 000 cm | No Crush | more |
| V651 — Case Vehicle Impact 1 C2 | 000 cm | No Crush | more |
| V652 — Case Vehicle Impact 1 C3 | 003 cm | — | — |
| V653 — Case Vehicle Impact 1 C4 | 007 cm | — | — |
| V654 — Case Vehicle Impact 1 C5 | 001 cm | — | — |
| V655 — Case Vehicle Impact 1 C6 | 000 cm | No Crush | more |
| V656 — Case Vehicle Impact 1 +/- D | 0026 cm | — | — |
| V657 — Case Vehicle Reconstructed Impact Number | 9 | Unknown | more |
| V658 — Case Vehicle Impact 2 Plane | 9 | Unknown | more |
| V659 — Case Vehicle Impact 2 Direct Damage Length [DDL] | 999 | Unknown | more |
| V660 — Case Vehicle Impact 2 Max | 999 | Unknown | more |

| | | | |
|--|------|---------|----------------------|
| Crush | | | |
| V661 — Case Vehicle Impact 2 Field-L | 999 | Unknown | more |
| V662 — Case Vehicle Impact 2 C1 | 999 | Unknown | more |
| V663 — Case Vehicle Impact 2 C2 | 999 | Unknown | more |
| V664 — Case Vehicle Impact 2 C3 | 999 | Unknown | more |
| V665 — Case Vehicle Impact 2 C4 | 999 | Unknown | more |
| V666 — Case Vehicle Impact 2 C5 | 999 | Unknown | more |
| V667 — Case Vehicle Impact 2 C6 | 999 | Unknown | more |
| V668 — Case Vehicle Impact 2 +/- D | 9999 | — | — |
| V669 — Other Vehicle Reconstructed Impact Number | 9 | Unknown | more |
| V670 — Other Vehicle Impact 1 Plane | 9 | Unknown | more |
| V671 — Other Vehicle Impact 1 Direct Damage Length [DDL] | 999 | Unknown | more |
| V672 — Other Vehicle Impact 1 Max Crush | 999 | Unknown | more |
| V673 — Other Vehicle Impact 1 Field-L | 999 | Unknown | more |
| V674 — Other Vehicle Impact 1 C1 | 999 | Unknown | more |
| V675 — Other Vehicle Impact 1 C2 | 999 | Unknown | more |
| V676 — Other Vehicle Impact 1 C3 | 999 | Unknown | more |
| V677 — Other Vehicle Impact 1 C4 | 999 | Unknown | more |
| V678 — Other Vehicle Impact 1 C5 | 999 | Unknown | more |
| V679 — Other Vehicle Impact 1 C6 | 999 | Unknown | more |
| V680 — Other Vehicle Impact 1 +/- D | 9999 | — | — |
| V681 — Other Vehicle Reconstructed Impact Number | 9 | Unknown | more |
| V682 — Other Vehicle Impact 2 Plane | 9 | Unknown | more |
| V683 — Other Vehicle Impact 2 Direct Damage Length [DDL] | 999 | Unknown | more |
| V684 — Other Vehicle Impact 2 Max Crush | 999 | Unknown | more |

| | | | |
|---------------------------------------|------|---------|----------------------|
| V685 — Other Vehicle Impact 2 Field-L | 999 | Unknown | more |
| V686 — Other Vehicle Impact 2 C1 | 999 | Unknown | more |
| V687 — Other Vehicle Impact 2 C2 | 999 | Unknown | more |
| V688 — Other Vehicle Impact 2 C3 | 999 | Unknown | more |
| V689 — Other Vehicle Impact 2 C4 | 999 | Unknown | more |
| V690 — Other Vehicle Impact 2 C5 | 999 | Unknown | more |
| V691 — Other Vehicle Impact 2 C6 | 999 | Unknown | more |
| V692 — Other Vehicle Impact 2 +/- D | 9999 | — | — |

Case Vehicle

Tires & Rims

| Variable Number and Name | Code Value | Code Description | Other Options |
|---|------------|------------------|----------------------|
| V701 — Left Front Wheel Damaged | 0 | No | more |
| V702 — Right Front Wheel Damaged | 0 | No | more |
| V703 — Right Rear Wheel Damaged | 0 | No | more |
| V704 — Left Rear Wheel Damaged | 0 | No | more |
| V705 — Left Front Tire Tread Type | 4 | All Weather | more |
| V706 — Right Front Tire Tread Type | 4 | All Weather | more |
| V707 — Right Rear Tire Tread Type | 4 | All Weather | more |
| V708 — Left Rear Tire Tread Type | 4 | All Weather | more |
| V709 — Left Front Carcass Construction | 3 | Radial | more |
| V710 — Right Front Carcass Construction | 3 | Radial | more |
| V711 — Right Rear Carcass Construction | 3 | Radial | more |
| V712 — Left Rear Carcass Construction | 3 | Radial | more |
| V717 — Left Front Tire Size | P22560R16 | — | — |
| V718 — Right Front Tire Size | P22560R16 | — | — |
| V719 — Right Rear Tire Size | P22560R16 | — | — |
| V720 — Left Rear Tire Size | P22560R16 | — | — |

Case Vehicle

Fuel, Tank, Fire

| Variable Number and Name | Code Value | Code Description | Other Options |
|------------------------------------|-------------------|---|----------------------|
| V801 — Propulsive Fuel Type | 1 | Gasoline | more |
| V802 — Main Tank Location | 322 | Within frame/centered laterally - within vertically | more |
| V803 — Main Filler Cap Location | 213 | Left of frame laterally - above vertically | more |
| V804 — Main Tank Material | 1 | Steel | more |
| V805 — Aux Tank Type | 8 | Not applicable (not equipped) | more |
| V806 — Aux Tank Location | 888 | Not applicable (not equipped) | more |
| V807 — Aux Filler Cap Location | 888 | Not applicable (not equipped) | more |
| V808 — Aux Tank Material | 8 | Not applicable | more |
| V901 — Fuel Leakage From Crash | 0 | No | more |
| V1001 — Fire In Or On Case Vehicle | 0 | No | more |

Case Vehicle

Exterior

| Variable Number and Name | Code Value | Code Description | Other Options |
|---|------------|---------------------|----------------------|
| V1101 — Hood Latch Released | 0 | No | more |
| V1102 — Hood Latch Damaged | 1 | Yes | more |
| V1103 — Hood Latch Jammed | 1 | Yes | more |
| V1104 — Left Hood Hinge Damaged | 1 | Yes | more |
| V1105 — Left Hood Hinge Separated | 0 | No | more |
| V1106 — Right Hood Hinge Damaged | 1 | Yes | more |
| V1107 — Right Hood Hinge Separated | 0 | No | more |
| V1108 — Hood Remained On Vehicle | 1 | Yes | more |
| V1109 — Rear Hood Edge Elevated | 0 | No | more |
| V1110 — Edge Contacted Windshield | 8 | Not applicable | more |
| V1111 — Edge Penetrated Windshield | 8 | Not applicable | more |
| V1112 — Hood Latch Location | 1 | Front of Vehicle | more |
| V1113 — Eng/Transmissn Mount Separation | 0 | No | more |
| V1114 — Steerng Column Flex Coupling | 9 | Unknown if equipped | more |
| V1115 — Steerng Column Coupling Damaged | 9 | Unknown | more |
| V1116 — Steerng Column Coupling Separated | 9 | Unknown | more |
| V1117 — Eng Comp Telescopng Unit | 88 | Not collected | more |
| V1118 — Comp Orig/Telescopd Diff | 888 | Not collected | more |

| | | | |
|--|---|----------------------------|----------------------|
| V1119 — Left Side Body Mount Separation | 8 | Not applicable (unitized) | more |
| V1120 — Upper Left A-pillar Separation | 4 | No separation, but damaged | more |
| V1121 — Lower Left A-pillar Separation | 0 | No | more |
| V1122 — Upper Left B-pillar Separation | 0 | No | more |
| V1123 — Lower Left B-pillar Separation | 0 | No | more |
| V1124 — Upper Left C-pillar Separation | 0 | No | more |
| V1125 — Lower Left C-pillar Separation | 0 | No | more |
| V1126 — Upper Left D-pillar Separation | 0 | No | more |
| V1127 — Lower Left D-pillar Separation | 0 | No | more |
| V1128 — Left Front Door Opening Cause | 0 | Door did not open | more |
| V1129 — Left Rear Door Opening Cause | 0 | Door did not open | more |
| V1130 — Left Front Door Jammed Closed | 0 | No | more |
| V1131 — Left Rear Door Jammed Closed | 0 | No | more |
| V1132 — Rear Door Type | 2 | One-way tailgate | more |
| V1133 — Rear Door Opening Cause | 0 | Door did not open | more |
| V1134 — Rear Door Jammed Closed | 0 | No | more |
| V1135 — Luggage Partition Damagd | 0 | No | more |
| V1136 — Spare Tire Status | 8 | Not collected | more |
| V1137 — Trailer Hitch Type | 0 | No hitch | more |
| V1138 — Trailer Type | 0 | No trailer | more |
| V1139 — Right Side Body Mount Separation | 8 | Not applicable (unitized) | more |

| | | | |
|--|----|-----------------------------------|----------------------|
| V1140 — Upper Right A-pillar Separation | 4 | No separation, but damaged | more |
| V1141 — Lower Right A-pillar Separation | 4 | No separation, but damaged | more |
| V1142 — Upper Right B-pillar Separation | 4 | No separation, but damaged | more |
| V1143 — Lower Right B-pillar Separation | 4 | No separation, but damaged | more |
| V1144 — Upper Right C-pillar Separation | 0 | No | more |
| V1145 — Lower Right C-pillar Separation | 0 | No | more |
| V1146 — Upper Right D-pillar Separation | 0 | No | more |
| V1147 — Lower Right D-pillar Separation | 0 | No | more |
| V1148 — Right Front Door Opening Cause | 00 | Door did not open | more |
| V1149 — Right Rear Door Opening Cause | 00 | Door did not open | more |
| V1150 — Right Front Door Jammed Closed | 1 | Yes | more |
| V1151 — Right Rear Door Jammed Closed | 1 | Yes | more |
| V1152 — Van Rear Door Type | 4 | Track (sliding)-right & left side | more |
| V1153 — Windshield Cracked | | Yes | more |
| V1154 — Windshield Broken | 1 | Yes | more |
| V1155 — Windshield Cracked or Broken by Occupant | 0 | No | more |
| V1156 — Bond Separation Extent | 2 | 21 - 40% | more |
| V1157 — Windshield Code | | — | — |
| V1158 — Did Sun/T Roof Open | 8 | Not Applicable | more |

Case Vehicle

Steering

Column/Rim

| Variable Number and Name | Code Value | Code Description | Other Options |
|---|------------|----------------------|----------------------|
| V1201 — Steering Wheel Rim Damage | 0 | None | more |
| V1202 — Number of Steering Wheel Spokes | 4 | 4 spokes | more |
| V1203 — Steering Wheel Spoke Damage | 0 | None | more |
| V1204 — Column Tilt Feature | 4 | Lower | more |
| V1205 — Column Swing-away Feature | 0 | Not equipped | more |
| V1206 — Column Telescoping Feature | 0 | Not equipped | more |
| V1207 — Wheel Energy Absorb Device | 8 | Not collected | more |
| V1208 — Wheel Ea Orig/Damaged Diff | 888 | Not collected | more |
| V1209 — Column Energy Absorb Device | 88 | Not collected | more |
| V1210 — Column Ea Orig/Comprss Diff | 888 | Not collected | more |
| V1211 — Shear Capsule Separation | 888 | Not collected | more |
| V1212 — Column Vertical Rotation | 0 | No apparent rotation | more |
| V1213 — Column Lateral Rotation | 0 | No apparent rotation | more |
| V1214 — Steering Wheel Hub Damage | 0 | None | more |

Case Vehicle

Intrusion

| Variable Number and Name | Code Value | Code Description | Other Options |
|--|------------|----------------------------|----------------------|
| V1301 — Occupant Compartment Intrusion | 1 | Yes | more |
| V1302 — Was Intrusion Catastrophic | 0 | No | more |
| V1303 — Intrusion Number 01 | 01 | Intrusion #1 | more |
| V1304 — Intrusion 01 Occupant Space Number | 11 | First row, Left seat | more |
| V1305 — Intrusion 01 Intruding Object | 01 | Instrument panel | more |
| V1306 — Intrusion 01 Assoc Event Number | 1 | Event #1 | more |
| V1307 — Intrusion 01 Max Intrusion X-axis | 27 cm | — | — |
| V1308 — Intrusion 01 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1309 — Intrusion 01 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1310 — Intrusion 01 Occupant Number | 00 | No contact or no intrusion | more |
| V1311 — Intrusion 01 Injury Number | 00 | No injury or no intrusion | more |
| V1312 — Intrusion 01 Occupant Number | 00 | No contact or no intrusion | more |
| V1313 — Intrusion 01 Injury Number | 00 | No injury or no intrusion | more |
| V1314 — Intrusion Number 02 | 02 | Intrusion #2 | more |
| V1315 — Intrusion 02 Occupant Space Number | 11 | First row, Left seat | more |
| V1316 — Intrusion 02 Intruding Object | 07 | Windshield header | more |
| V1317 — Intrusion 02 Assoc Event Number | 1 | Event #1 | more |

| | | | |
|--|-------|----------------------------|----------------------|
| V1318 — Intrusion 02 Max Intrusion X-axis | 20 cm | — | — |
| V1319 — Intrusion 02 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1320 — Intrusion 02 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1321 — Intrusion 02 Occupant Number | 01 | Occupant number 1, contact | more |
| V1322 — Intrusion 02 Injury Number | 01 | Injury #1 | more |
| V1323 — Intrusion 02 Occupant Number | 01 | Occupant number 1, contact | more |
| V1324 — Intrusion 02 Injury Number | 02 | Injury #2 | more |
| V1325 — Intrusion Number 03 | 03 | Intrusion #3 | more |
| V1326 — Intrusion 03 Occupant Space Number | 11 | First row, Left seat | more |
| V1327 — Intrusion 03 Intruding Object | 14 | Roof side rails | more |
| V1328 — Intrusion 03 Assoc Event Number | 1 | Event #1 | more |
| V1329 — Intrusion 03 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1330 — Intrusion 03 Max Intrusion Y-axis | 05 cm | — | — |
| V1331 — Intrusion 03 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1332 — Intrusion 03 Occupant Number | 00 | No contact or no intrusion | more |
| V1333 — Intrusion 03 Injury Number | 00 | No injury or no intrusion | more |
| V1334 — Intrusion 03 Occupant Number | 00 | No contact or no intrusion | more |
| V1335 — Intrusion 03 Injury Number | 00 | No injury or no intrusion | more |
| V1336 — Intrusion Number 04 | 04 | Intrusion #4 | more |
| V1337 — Intrusion 04 Occupant Space Number | 12 | First row, Center seat | more |
| V1338 — Intrusion 04 Intruding | 01 | Instrument panel | more |

| | | | |
|--|-------|----------------------------|----------------------|
| Object | | | |
| V1339 — Intrusion 04 Assoc Event Number | 1 | Event #1 | more |
| V1340 — Intrusion 04 Max Intrusion X-axis | 30 cm | — | — |
| V1341 — Intrusion 04 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1342 — Intrusion 04 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1343 — Intrusion 04 Occupant Number | 00 | No contact or no intrusion | more |
| V1344 — Intrusion 04 Injury Number | 00 | No injury or no intrusion | more |
| V1345 — Intrusion 04 Occupant Number | 00 | No contact or no intrusion | more |
| V1346 — Intrusion 04 Injury Number | 00 | No injury or no intrusion | more |
| V1347 — Intrusion Number 05 | 05 | Intrusion #5 | more |
| V1348 — Intrusion 05 Occupant Space Number | 13 | First row, Right seat | more |
| V1349 — Intrusion 05 Intruding Object | 01 | Instrument panel | more |
| V1350 — Intrusion 05 Assoc Event Number | 1 | Event #1 | more |
| V1351 — Intrusion 05 Max Intrusion X-axis | 47 cm | — | — |
| V1352 — Intrusion 05 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1353 — Intrusion 05 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1354 — Intrusion 05 Occupant Number | 00 | No contact or no intrusion | more |
| V1355 — Intrusion 05 Injury Number | 00 | No injury or no intrusion | more |
| V1356 — Intrusion 05 Occupant Number | 00 | No contact or no intrusion | more |
| V1357 — Intrusion 05 Injury Number | 00 | No injury or no intrusion | more |
| V1358 — Intrusion Number 06 | 06 | Intrusion #6 | more |

| | | | |
|--|-------|----------------------------|----------------------|
| V1359 — Intrusion 06 Occupant Space Number | 13 | First row, Right seat | more |
| V1360 — Intrusion 06 Intruding Object | 07 | Windshield header | more |
| V1361 — Intrusion 06 Assoc Event Number | 1 | Event #1 | more |
| V1362 — Intrusion 06 Max Intrusion X-axis | 45 cm | — | — |
| V1363 — Intrusion 06 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1364 — Intrusion 06 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1365 — Intrusion 06 Occupant Number | 00 | No contact or no intrusion | more |
| V1366 — Intrusion 06 Injury Number | 00 | No injury or no intrusion | more |
| V1367 — Intrusion 06 Occupant Number | 00 | No contact or no intrusion | more |
| V1368 — Intrusion 06 Injury Number | 00 | No injury or no intrusion | more |
| V1369 — Intrusion Number 07 | 07 | Intrusion #7 | more |
| V1370 — Intrusion 07 Occupant Space Number | 13 | First row, Right seat | more |
| V1371 — Intrusion 07 Intruding Object | 03 | Toe pan | more |
| V1372 — Intrusion 07 Assoc Event Number | 1 | Event #1 | more |
| V1373 — Intrusion 07 Max Intrusion X-axis | 17 cm | — | — |
| V1374 — Intrusion 07 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1375 — Intrusion 07 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1376 — Intrusion 07 Occupant Number | 00 | No contact or no intrusion | more |
| V1377 — Intrusion 07 Injury Number | 00 | No injury or no intrusion | more |
| V1378 — Intrusion 07 Occupant Number | 00 | No contact or no intrusion | more |

| | | | |
|--|-------|---|----------------------|
| V1379 — Intrusion 07 Injury Number | 00 | No injury or no intrusion | more |
| V1380 — Intrusion Number 08 | 00 | No Intrusion, None | more |
| V1381 — Intrusion 08 Occupant Space Number | 00 | No Intrusion, None | more |
| V1382 — Intrusion 08 Intruding Object | 00 | No Intrusion, None | more |
| V1383 — Intrusion 08 Assoc Event Number | 0 | No Intrusion, None | more |
| V1384 — Intrusion 08 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1385 — Intrusion 08 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1386 — Intrusion 08 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1387 — Intrusion 08 Occupant Number | 00 | No contact or no intrusion | more |
| V1388 — Intrusion 08 Injury Number | 00 | No injury or no intrusion | more |
| V1389 — Intrusion 08 Occupant Number | 00 | No contact or no intrusion | more |
| V1390 — Intrusion 08 Injury Number | 99 | Contact, injury unknown or data not collected | more |
| V1391 — Intrusion Number 09 | 00 | No Intrusion, None | more |
| V1392 — Intrusion 09 Occupant Space Number | 00 | No Intrusion, None | more |
| V1393 — Intrusion 09 Intruding Object | 00 | No Intrusion, None | more |
| V1394 — Intrusion 09 Assoc Event Number | 0 | No Intrusion, None | more |
| V1395 — Intrusion 09 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1396 — Intrusion 09 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1397 — Intrusion 09 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1398 — Intrusion 09 Occupant Number | 00 | No contact or no intrusion | more |
| V1399 — Intrusion 09 Injury | 00 | No injury or no intrusion | more |

| | | | |
|--|-------|---|----------------------|
| Number | | | |
| V1400 — Intrusion 09 Occupant Number | 00 | No contact or no intrusion | more |
| V1401 — Intrusion 09 Injury Number | 99 | Contact, injury unknown or data not collected | more |
| V1402 — Intrusion Number 10 | 00 | No Intrusion, None | more |
| V1403 — Intrusion 10 Occupant Space Number | 00 | No Intrusion, None | more |
| V1404 — Intrusion 10 Intruding Object | 00 | No Intrusion, None | more |
| V1405 — Intrusion 10 Assoc Event Number | 0 | No Intrusion, None | more |
| V1406 — Intrusion 10 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1407 — Intrusion 10 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1408 — Intrusion 10 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1409 — Intrusion 10 Occupant Number | 00 | No contact or no intrusion | more |
| V1410 — Intrusion 10 Injury Number | 00 | No injury or no intrusion | more |
| V1411 — Intrusion 10 Occupant Number | 00 | No contact or no intrusion | more |
| V1412 — Intrusion 10 Injury Number | 99 | Contact, injury unknown or data not collected | more |
| V1413 — Door Intrusion Number 01 | 88 | Not Applicable | more |
| V1414 — Door Intrusion Number 01 Cause | 8 | Not applicable | more |
| V1415 — Door Intrusion Number 02 | 88 | Not Applicable | more |
| V1416 — Door Intrusion Number 02 Cause | 8 | Not applicable | more |
| V1417 — Door Intrusion Number 03 | 88 | Not Applicable | more |
| V1418 — Door Intrusion Number 03 Cause | 8 | Not applicable | more |
| V1419 — Door Intrusion 01 | 88 | Not Applicable | more |

| | | | |
|--|----|----------------|----------------------|
| Component | | | |
| V1420 — Door Intrusion 01 Component Damaged 1 | 8 | Not Applicable | more |
| V1421 — Door Intrusion 01 Component Damaged 2 | 8 | Not Applicable | more |
| V1422 — Door Intrusion 02 Component | 88 | Not Applicable | more |
| V1423 — Door Intrusion 02 Component Damaged 1 | 8 | Not Applicable | more |
| V1424 — Door Intrusion 02 Component Damaged 2 | 8 | Not Applicable | more |
| V1425 — Door Intrusion 03 Component | 88 | Not Applicable | more |
| V1426 — Door Intrusion 03 Component Damaged 1 | 8 | Not Applicable | more |
| V1427 — Door Intrusion 03 Component Damaged 2 | 8 | Not Applicable | more |
| V1428 — Door Intrusion 04 Component | 88 | Not Applicable | more |
| V1429 — Door Intrusion 04 Component Damaged 1 | 8 | Not Applicable | more |
| V1430 — Door Intrusion 04 Component Damaged 2 | 8 | Not Applicable | more |

Case Vehicle

Airbag(s)

| Variable Number and Name | Code Value | Code Description | Other Options |
|--|------------|------------------|----------------------|
| V1501 — Driver Airbag Equipped | 1 | Yes | more |
| V1502 — Driver Airbag Deployed | 1 | Yes | more |
| V1503 — Driver Airbag Condition | 0 | No Damage | more |
| V1504 — Passenger Airbag Equip | 1 | Yes | more |
| V1505 — Passenger Airbag Deployed | 1 | Yes | more |
| V1506 — Passenger Airbag Condition | 0 | No Damage | more |
| V1507 — Steering Wheel Airbag Tether | 1 | Yes | more |
| V1508 — Driver Airbag Marked By Contact | 0 | No | more |
| V1509 — Passenger Airbag Tether | 1 | Yes | more |
| V1510 — Passenger Airbag Marked By Contact | 0 | No | more |

Case Vehicle

Interior

| Variable Number and Name | Code Value | Code Description | Other Options |
|--------------------------------------|------------|------------------|----------------------|
| V1601 — Left Front Door Damaged | 0 | No | more |
| V1602 — Right Front Door Damaged | 1 | Yes | more |
| V1603 — Left Front Hardware Damaged | 0 | No | more |
| V1604 — Right Front Hardware Damaged | 1 | Yes | more |
| V1605 — Left Front Armrest Damaged | 0 | No | more |
| V1606 — Right Front Armrest Damaged | 1 | Yes | more |
| V1607 — Left Front Glass Damaged | 0 | No | more |
| V1608 — Right Front Glass Damaged | 1 | Yes | more |
| V1609 — Left Rear Door Area Damaged | 0 | No | more |
| V1610 — Right Rear Door Area Damaged | 0 | No | more |
| V1611 — Left Rear Hardware Damaged | 0 | No | more |
| V1612 — Right Rear Hardware Damaged | 0 | No | more |
| V1613 — Left Rear Armrest Damaged | 0 | No | more |
| V1614 — Right Rear Armrest Damaged | 0 | No | more |
| V1615 — Left Rear Glass Damaged | 0 | No | more |
| V1616 — Right Rear Glass Damaged | 0 | No | more |
| V1617 — Left Roof Side Rail Damaged | 1 | Yes | more |

| | | | |
|---------------------------------------|---|-----------------------|----------------------|
| V1618 — Right Roof Side Rail Damaged | 1 | Yes | more |
| V1619 — Left B-pillar Damaged | 0 | No | more |
| V1620 — Right B-pillar Damaged | 0 | No | more |
| V1621 — Left C-pillar Damaged | 0 | No | more |
| V1622 — Right C-pillar Damaged | 0 | No | more |
| V1623 — Left D-pillar Damaged | 0 | No | more |
| V1624 — Right D-pillar Damaged | 0 | No | more |
| V1625 — Left Headlining Damaged | 0 | No | more |
| V1626 — Right Headlining Damaged | 1 | Yes | more |
| V1627 — Left Roof Structure Damaged | 0 | No | more |
| V1628 — Right Roof Structure Damaged | 1 | Yes | more |
| V1629 — Left T/Sun Roof Damaged | 8 | Not applicable | more |
| V1630 — Right T/Sun Roof Damaged | 8 | Not applicable | more |
| V1631 — Other Left Side Item Damaged | 8 | Not applicable | more |
| V1632 — Other Right Side Item Damaged | 8 | Not applicable | more |
| V1633 — Foot Controls Damaged | 0 | No | more |
| V1634 — Ignition Key Damaged | 0 | No | more |
| V1635 — Rear View Mirror Damaged | 9 | Unknown | more |
| V1636 — Sunvisor/Fitting Damaged | 7 | Both sides | more |
| V1637 — Windshield Molding Damaged | 4 | Yes, occupant contact | more |
| V1638 — Left A-pillar Damaged | 1 | Yes | more |
| V1639 — Right A-pillar Damaged | 1 | Yes | more |
| V1640 — Center Console Damaged | 8 | Not applicable | more |

| | | | |
|--|---|-----------------------|----------------------|
| V1641 — Transmission Lever Damaged | 0 | No | more |
| V1642 — Horn/Spoke Shroud Damaged | 0 | No | more |
| V1643 — Upper Panel Damaged | 1 | Yes | more |
| V1644 — Mid Panel Damaged | 1 | Yes | more |
| V1645 — Lower Panel Damaged | 4 | Yes, occupant contact | more |
| V1646 — Ashtray Damaged | 0 | No | more |
| V1647 — Control Knob/Lever Damaged | 0 | No | more |
| V1648 — Glove Compartment Area Damaged | 1 | Yes | more |
| V1649 — Instruments Damaged | 1 | Yes | more |
| V1650 — Park Brake Release Damaged | 0 | No | more |
| V1651 — Park Brake Pedal Damaged | 0 | No | more |
| V1652 — A/C Or Upper Vent Damaged | 3 | No, occupant contact | more |
| V1653 — Heater Or A/C Duct Damaged | 1 | Yes | more |
| V1654 — Radio Damaged | 0 | No | more |
| V1655 — Other Item Damaged | 8 | Not applicable | more |
| V1656 — Rear Window Damaged | 0 | No | more |
| V1657 — Rear Window Header Damaged | 0 | No | more |
| V1658 — Vertical Console Damaged | 1 | Yes | more |
| V1659 — Roof Console Damaged | 1 | Yes | more |

Case Vehicle

Seats

| Variable Number and Name | Code Value | Code Description | Other Options |
|--|------------|------------------|----------------------|
| V1701 — Driver Front Seat Type | 05 | Bucket | more |
| V1702 — Passenger Front Seat Type | 05 | Bucket | more |
| V1703 — Driver Seat Mount Type | 1 | Standard | more |
| V1704 — Passenger Seat Mount Type | 1 | Standard | more |
| V1705 — Driver Swivel Mechanism Equipped | 0 | No | more |
| V1706 — Passenger Swivel Mechanism Equipped | 0 | No | more |
| V1707 — Driver Seat Original Equipment | 1 | Yes | more |
| V1708 — Passenger Seat Original Equipment | 1 | Yes | more |
| V1709 — Driver Seat/Rear Occupant Contact | 8 | Not applicable | more |
| V1710 — Passenger Seat/Rear Occupant Contact | 8 | Not applicable | more |
| V1711 — Driver Seat Damage | 0 | None | more |
| V1712 — Passenger Seat Damage | 0 | None | more |
| V1713 — Center Front Armrest Damaged | 0 | No | more |
| V1714 — Driver Seat Rotation | 0 | None apparent | more |
| V1715 — Passenger Seat Rotation | 0 | None apparent | more |
| V1716 — Driver Seat-back Type | 3 | Reclining | more |
| V1717 — Passenger Seat-back Type | 3 | Reclining | more |
| V1718 — Driver Seat-back Lock Type | 3 | Power | more |
| V1719 — Passenger Seat-back Lock Type | 9 | Unknown | more |
| V1720 — Driver Seat-back Lock Held | 1 | Yes | more |

| | | | |
|--|---|----------------------------|----------------------|
| V1721 — Passenger Seat-back Lock Held | 1 | Yes | more |
| V1722 — Driver Recliner Mechanism Held | 1 | Yes | more |
| V1723 — Passenger Recliner Mechanism Held | 1 | Yes | more |
| V1724 — Driver Head Restraint Type | 1 | Adjustable | more |
| V1725 — Passenger Head Restraint Type | 1 | Adjustable | more |
| V1726 — Driver Head Rest Removed | 0 | No | more |
| V1727 — Passenger Head Rest Removed | 0 | No | more |
| V1728 — Driver Head Rest Adjustment | 2 | Down | more |
| V1729 — Passenger Head Rest Adjustment | 2 | Down | more |
| V1730 — Driver Head Rest Damage | 0 | None | more |
| V1731 — Passenger Head Rest Damage | 0 | None | more |
| V1732 — Driver Seat Adjustment Type | 2 | Power | more |
| V1733 — Passenger Seat Adjustment Type | 9 | Unknown | more |
| V1734 — Driver Seat Adjustment Provided | 2 | 4-way | more |
| V1735 — Passenger Seat Adjustment Provided | 9 | Unknown | more |
| V1736 — Driver Seat Adjuster Damage | 0 | None | more |
| V1737 — Passenger Seat Adjuster Damage | 2 | Deformed (released/jammed) | more |
| V1738 — Driver Seat Adjuster Separation | 8 | Not applicable | more |
| V1739 — Passenger Seat Adjuster Separation | 8 | Not applicable | more |
| V1740 — Driver Seat Pre-crash Position | 3 | Rearward | more |
| V1741 — Passenger Seat Pre-crash Position | 3 | Rearward | more |
| V1742 — Left Rear Seat Type | 2 | Folding | more |
| V1743 — Right Rear Seat Type | 2 | Folding | more |

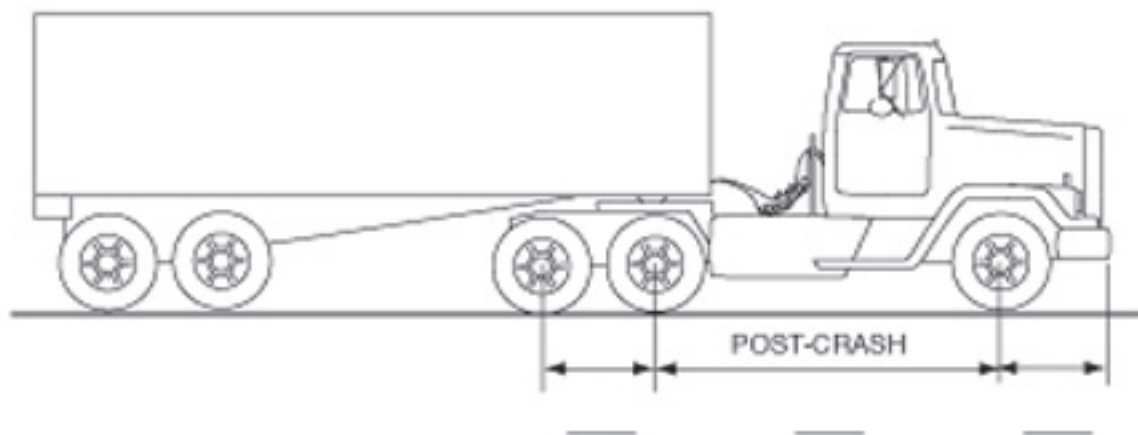
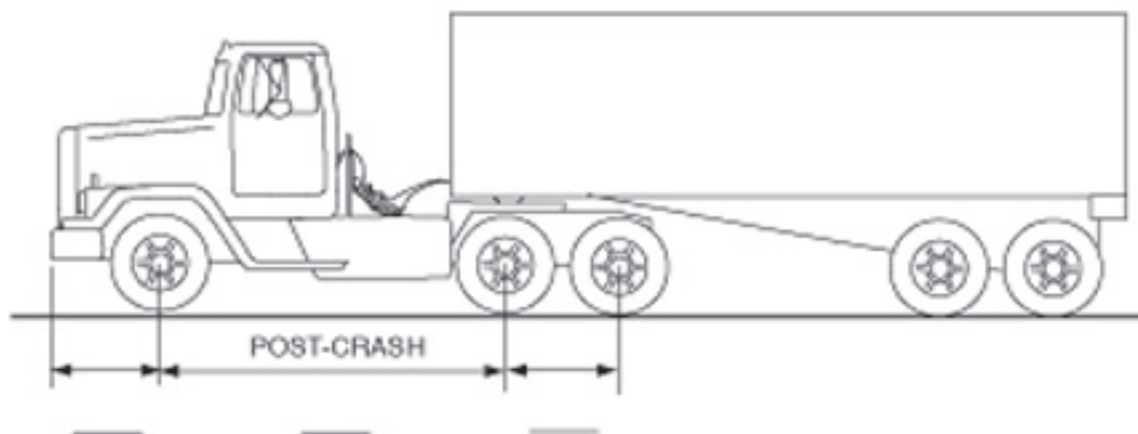
| | | | |
|--|---|------------------------------------|----------------------|
| V1744 — Left Rear Seat Damaged | 0 | None | more |
| V1745 — Right Rear Seat Damaged | 0 | None | more |
| V1746 — Center Rear Armrest Damaged | 8 | Not applicable (No Center Armrest) | more |
| V1747 — Left Rear Seat-back Left Lock Equipped | 1 | Yes | more |
| V1748 — Right Rear Seat-back Left Lock Equipped | 0 | No | more |
| V1749 — Left Rear Seat-back Left Lock Held | 1 | Yes | more |
| V1750 — Right Rear Seat-back Left Lock Held | 8 | Not applicable | more |
| V1751 — Left Rear Seat-back Right Lock Equipped | 0 | No | more |
| V1752 — Right Rear Seat-back Right Lock Equipped | 1 | Yes | more |
| V1753 — Left Rear Seat-back Right Lock Held | 8 | Not applicable | more |
| V1754 — Right Rear Seat-back Right Lock Held | 1 | Yes | more |
| V1755 — Left 3rd Seat Equipped | 1 | Yes | more |
| V1756 — Right 3rd Seat Equipped | 1 | Yes | more |
| V1757 — Left 3rd Seat Backrest Damaged | 0 | No | more |
| V1758 — Right 3rd Seat Backrest Damaged | 0 | No | more |
| V1759 — Left 3rd Seat Cushion Damaged | 0 | No | more |
| V1760 — Right 3rd Seat Cushion Damaged | 0 | No | more |
| V1761 — Rear Head Restraints | 1 | Equipped | more |

MEASUREMENTS IN CENTIMETERS

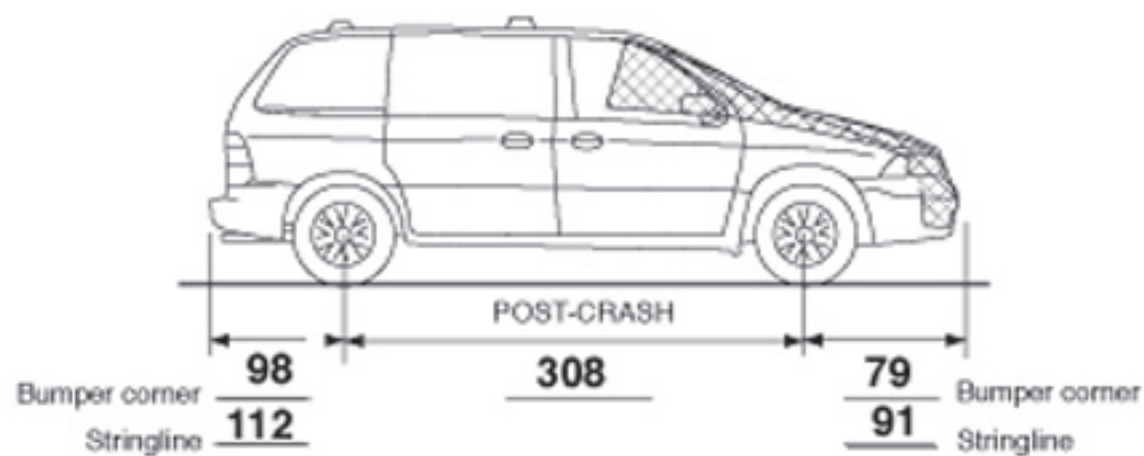
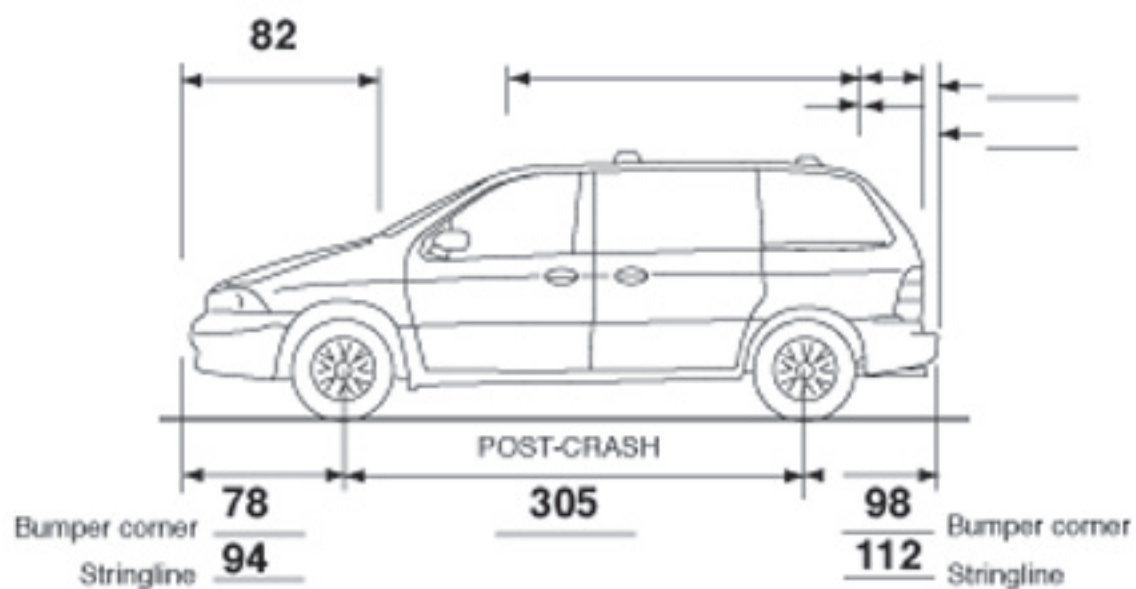
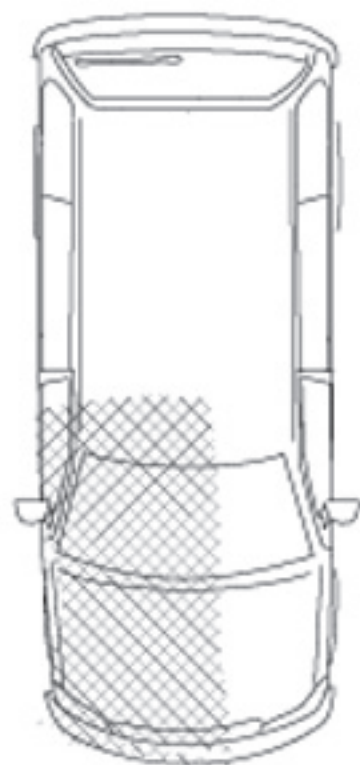
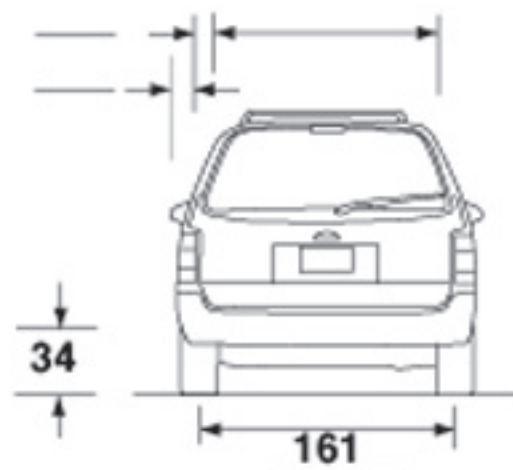
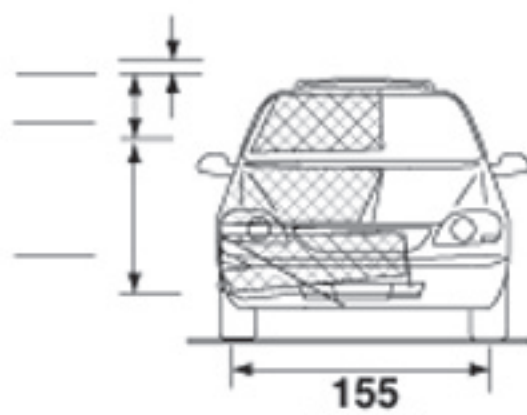
Not inspected - one on-scene photo only



direct damage to underride bar only



MEASUREMENTS IN CENTIMETERS



WINDSHIELD MARK ON CASE VEHICLE:

Unable to read W/S mark

Bond separation along top edge



**WS plastic innerlayer torn
due to Vehicle B penetration**

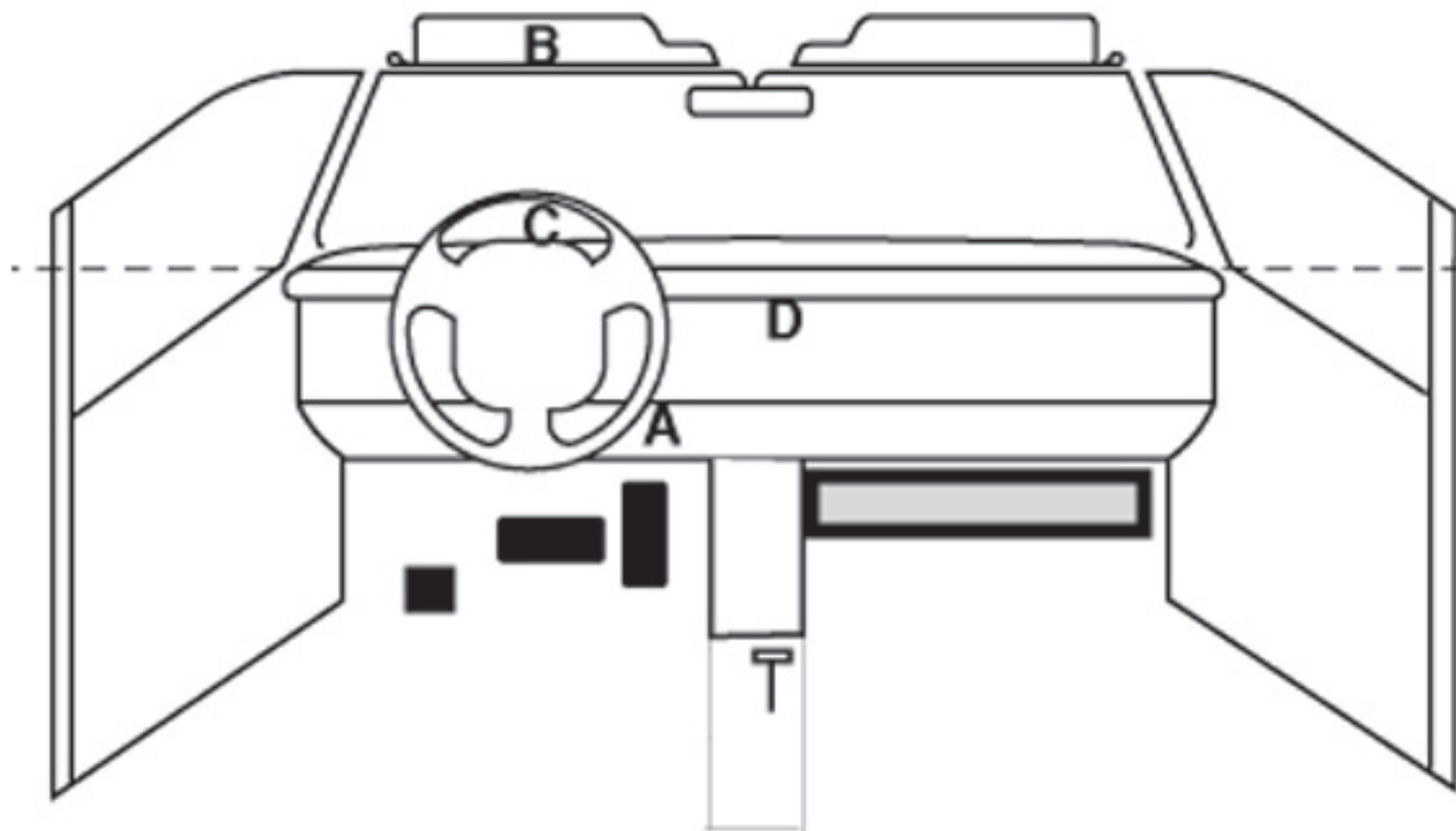
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

| Location of Intrusion | Intruded Component | (All Measurements Are in Centimeters) | | | | | Dominant Crush Direction |
|-----------------------|--------------------|---------------------------------------|---|----------------|---|-----------|--------------------------|
| | | Comparison Value | – | Intruded Value | = | Intrusion | |
| LF | IP | 70 | – | 43 | = | 27 | to rear |
| LF | WS header | 50 | – | 30 | = | 20 | to rear |
| LF | Roof siderail | 48 | – | 43 | = | 5 | to right |
| CF | Vertical console | 70 | – | 40 | = | 30 | to rear |
| RF | IP | 70 | – | 23 | = | 47 | to rear |
| RF | WS header | 50 | – | 5 | = | 45 | to rear |
| RF | Toe pan | 105 | – | 88 | = | 17 | to rear |
| | | | – | | = | | |
| | | | – | | = | | |
| | | | – | | = | | |
| | | | – | | = | | |

OCCUPANT CONTACT WORKSHEET

| Contact | Interior Component Contacted | Occupant No. if Known | Body Region if Known | Supporting Physical Evidence | Confidence Level of Contact Point |
|---------|------------------------------|-----------------------|----------------------|------------------------------|-----------------------------------|
| A | Knee bolster | 1 | Right knee | Cloth transfer | 1 |
| B | WS header/visor | 1 | Head | Scuff mark with hair | 1 |
| C | IP | 1 | Unknown | Blood transfer | 2 |
| D | IP/air vent | 1 | Unknown | Blood transfer | 2 |
| E | | | | | |
| F | | | | | |
| G | | | | | |
| H | | | | | |
| I | | | | | |
| J | | | | | |
| K | | | | | |
| L | | | | | |
| M | | | | | |



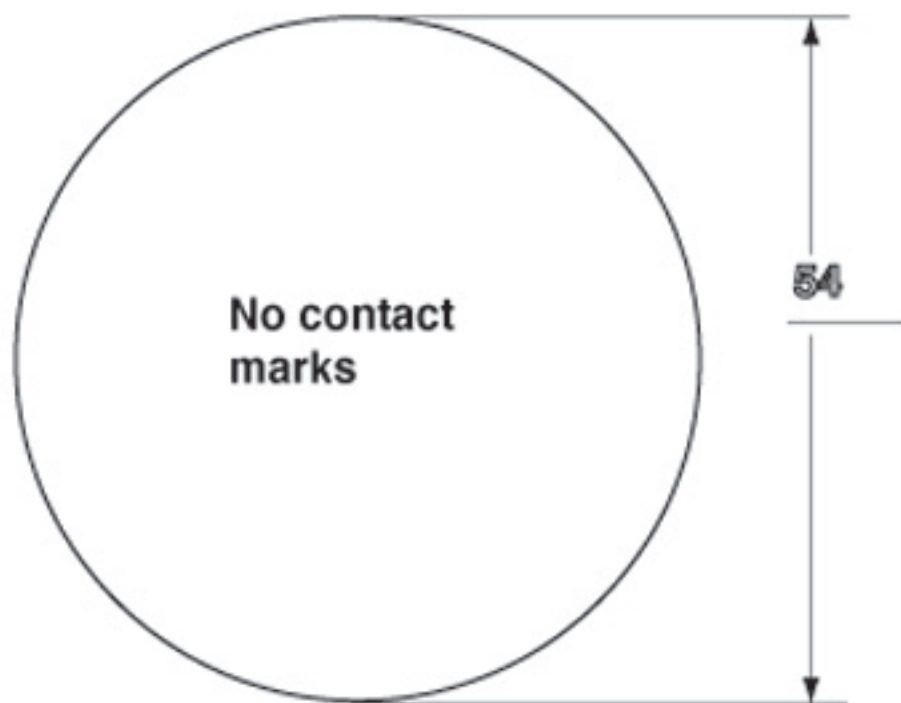
A = knee bolster, cloth transfer

B = W/S header and visor, scuff mark with hair

C = upper IP - instrument shroud, blood stain

D = center IP - air vent, blood stain

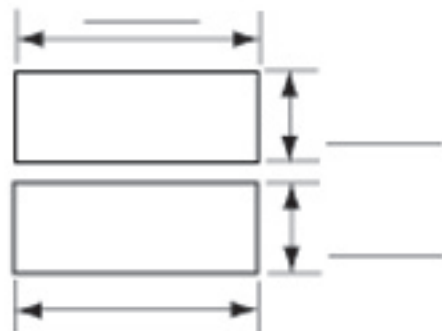
Driver Airbag



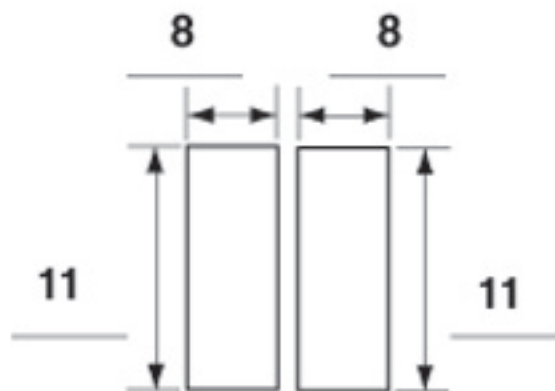
Vents: Y N
if yes, how many: 2

Tethers: Y N
if yes, how many: 2

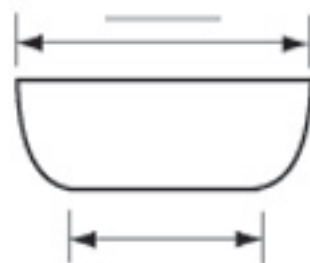
Driver Airbag Doors



H-Pattern

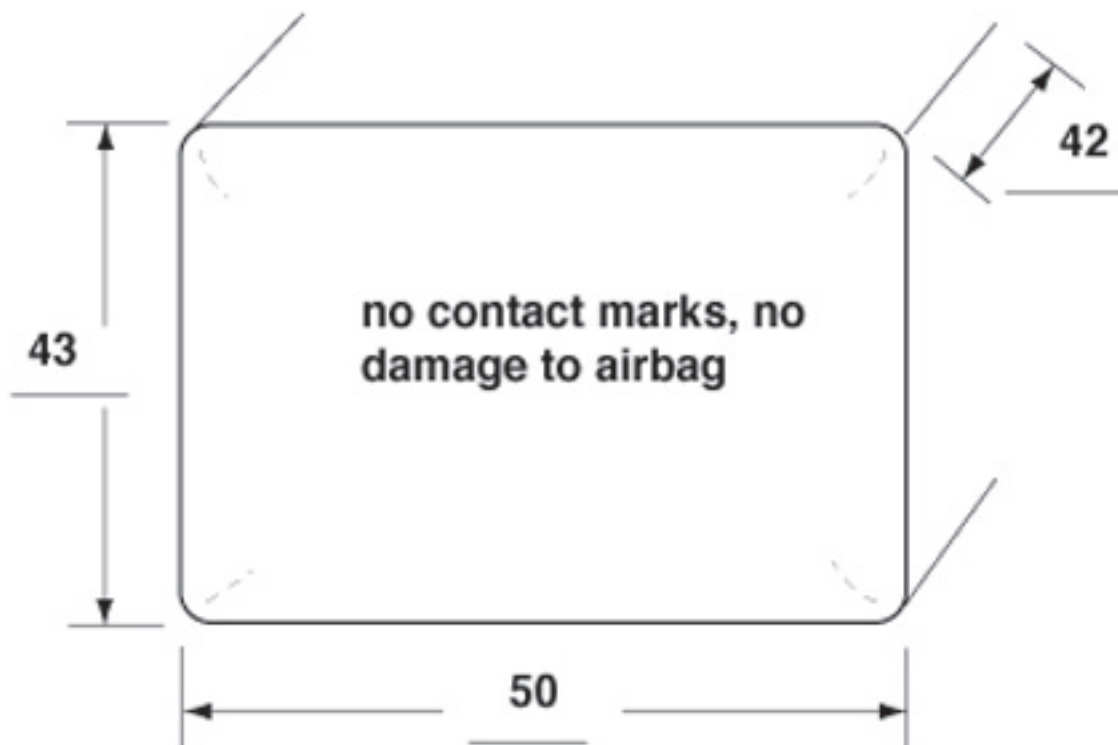


I-Pattern



Single Door

Passenger Airbag

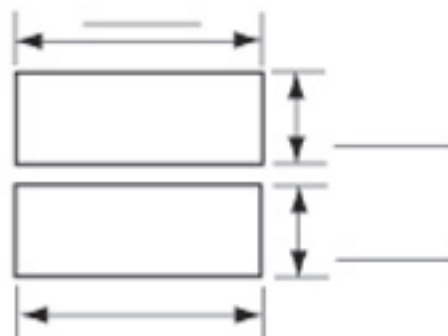


Vents: Y N
if yes, how many: 2

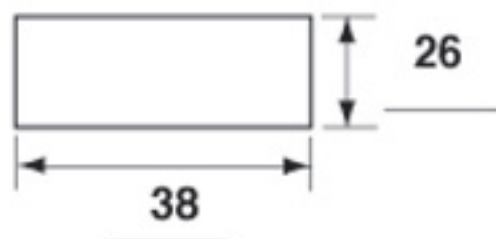
Tethers: Y N
if yes, how many: 1

Passenger Airbag Doors

H-Pattern



Single Door



Case # 356: Occupant # 1; Injury # 1

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|-------------------|---------------------------------------|----------------------|
| V2101 — Injury Number | 01 | Injury #1 | more |
| V2102 — 1st Prob Contact Area | 10 | Sunvisor, fitting(s) &/or top molding | more |
| V2103 — 2nd Prob Contact Area | 00 | No Contact/not applicable | more |
| V2104 — Primary OIC -body Region | 14 | Neck | more |
| V2105 — Primary OIC -aspect | 16 | Posterior/back | more |
| V2106 — Primary OIC -lesion | 06 | Fracture | more |
| V2107 — Primary OIC -system/Organ | 19 | Skeletal | more |
| V2108 — Primary OIC -severity | 3 | Serious | more |
| V2109 — Primary OIC | NPFS3 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury # 2

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|-------------------|---------------------------------------|----------------------|
| V2101 — Injury Number | 02 | Injury #2 | more |
| V2102 — 1st Prob Contact Area | 10 | Sunvisor, fitting(s) &/or top molding | more |
| V2103 — 2nd Prob Contact Area | 00 | No Contact/not applicable | more |
| V2104 — Primary OIC -body Region | 14 | Neck | more |
| V2105 — Primary OIC -aspect | 16 | Posterior/back | more |
| V2106 — Primary OIC -lesion | 06 | Fracture | more |
| V2107 — Primary OIC -system/Organ | 19 | Skeletal | more |
| V2108 — Primary OIC -severity | 2 | Moderate | more |
| V2109 — Primary OIC | NPFS2 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury # 3

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|------------|---------------------------|----------------------|
| V2101 — Injury Number | 03 | Injury #3 | more |
| V2102 — 1st Prob Contact Area | 65 | Steering wheel | more |
| V2103 — 2nd Prob Contact Area | 00 | No Contact/not applicable | more |
| V2104 — Primary OIC -body Region | 03 | Chest | more |
| V2105 — Primary OIC -aspect | 12 | Left | more |
| V2106 — Primary OIC -lesion | 06 | Fracture | more |
| V2107 — Primary OIC -system/Organ | 19 | Skeletal | more |
| V2108 — Primary OIC -severity | 2 | Moderate | more |
| V2109 — Primary OIC | CLFS2 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury # 4

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|------------|---------------------------|----------------------|
| V2101 — Injury Number | 04 | Injury #4 | more |
| V2102 — 1st Prob Contact Area | 65 | Steering wheel | more |
| V2103 — 2nd Prob Contact Area | 00 | No Contact/not applicable | more |
| V2104 — Primary OIC -body Region | 13 | Abdomen | more |
| V2105 — Primary OIC -aspect | 12 | Left | more |
| V2106 — Primary OIC -lesion | 12 | Laceration | more |
| V2107 — Primary OIC -system/Organ | 17 | Spleen | more |
| V2108 — Primary OIC -severity | 3 | Serious | more |
| V2109 — Primary OIC | MLLQ3 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury # 5

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|-------------------|---------------------------------------|----------------------|
| V2101 — Injury Number | 05 | Injury #5 | more |
| V2102 — 1st Prob Contact Area | 10 | Sunvisor, fitting(s) &/or top molding | more |
| V2103 — 2nd Prob Contact Area | 00 | No Contact/not applicable | more |
| V2104 — Primary OIC -body Region | 08 | Head/skull | more |
| V2105 — Primary OIC -aspect | 23 | Whole region | more |
| V2106 — Primary OIC -lesion | 11 | Concussion | more |
| V2107 — Primary OIC -system/Organ | 02 | Brain | more |
| V2108 — Primary OIC -severity | 2 | Moderate | more |
| V2109 — Primary OIC | HWKB2 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury # 6

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|------------|---------------------------------------|----------------------|
| V2101 — Injury Number | 06 | Injury #6 | more |
| V2102 — 1st Prob Contact Area | 10 | Sunvisor, fitting(s) &/or top molding | more |
| V2103 — 2nd Prob Contact Area | 87 | Air cushion skin "airbag" | more |
| V2104 — Primary OIC -body Region | 06 | Face | more |
| V2105 — Primary OIC -aspect | 03 | Central | more |
| V2106 — Primary OIC -lesion | 01 | Abrasion | more |
| V2107 — Primary OIC -system/Organ | 09 | Integumentary | more |
| V2108 — Primary OIC -severity | 1 | Minor | more |
| V2109 — Primary OIC | FCAI1 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury # 7

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|------------|---------------------------------------|----------------------|
| V2101 — Injury Number | 07 | Injury #7 | more |
| V2102 — 1st Prob Contact Area | 87 | Air cushion skin "airbag" | more |
| V2103 — 2nd Prob Contact Area | 10 | Sunvisor, fitting(s) &/or top molding | more |
| V2104 — Primary OIC -body Region | 06 | Face | more |
| V2105 — Primary OIC -aspect | 18 | Right | more |
| V2106 — Primary OIC -lesion | 03 | Contusion | more |
| V2107 — Primary OIC -system/Organ | 09 | Integumentary | more |
| V2108 — Primary OIC -severity | 1 | Minor | more |
| V2109 — Primary OIC | FRCI1 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury # 8

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|-------------------|---------------------------|----------------------|
| V2101 — Injury Number | 08 | Injury #8 | more |
| V2102 — 1st Prob Contact Area | 29 | Front seat-back(s) | more |
| V2103 — 2nd Prob Contact Area | 00 | No Contact/not applicable | more |
| V2104 — Primary OIC -body Region | 19 | Shoulder | more |
| V2105 — Primary OIC -aspect | 12 | Left | more |
| V2106 — Primary OIC -lesion | 03 | Contusion | more |
| V2107 — Primary OIC -system/Organ | 09 | Integumentary | more |
| V2108 — Primary OIC -severity | 1 | Minor | more |
| V2109 — Primary OIC | SLCI1 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury # 9

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|-------------------|---------------------------|----------------------|
| V2101 — Injury Number | 09 | Injury #9 | more |
| V2102 — 1st Prob Contact Area | 87 | Air cushion skin "airbag" | more |
| V2103 — 2nd Prob Contact Area | 00 | No Contact/not applicable | more |
| V2104 — Primary OIC -body Region | 01 | Arm (upper) | more |
| V2105 — Primary OIC -aspect | 18 | Right | more |
| V2106 — Primary OIC -lesion | 03 | Contusion | more |
| V2107 — Primary OIC -system/Organ | 09 | Integumentary | more |
| V2108 — Primary OIC -severity | 1 | Minor | more |
| V2109 — Primary OIC | ARCI1 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury #10

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|-------------------|---------------------------|----------------------|
| V2101 — Injury Number | 10 | Injury #10 | more |
| V2102 — 1st Prob Contact Area | 87 | Air cushion skin "airbag" | more |
| V2103 — 2nd Prob Contact Area | 00 | No Contact/not applicable | more |
| V2104 — Primary OIC -body Region | 18 | Forearm | more |
| V2105 — Primary OIC -aspect | 12 | Left | more |
| V2106 — Primary OIC -lesion | 03 | Contusion | more |
| V2107 — Primary OIC -system/Organ | 09 | Integumentary | more |
| V2108 — Primary OIC -severity | 1 | Minor | more |
| V2109 — Primary OIC | RLCI1 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1; Injury #11

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|-------------------|---------------------------|----------------------|
| V2101 — Injury Number | 11 | Injury #11 | more |
| V2102 — 1st Prob Contact Area | 87 | Air cushion skin "airbag" | more |
| V2103 — 2nd Prob Contact Area | 00 | No Contact/not applicable | more |
| V2104 — Primary OIC -body Region | 03 | Chest | more |
| V2105 — Primary OIC -aspect | 18 | Right | more |
| V2106 — Primary OIC -lesion | 01 | Abrasion | more |
| V2107 — Primary OIC -system/Organ | 09 | Integumentary | more |
| V2108 — Primary OIC -severity | 1 | Minor | more |
| V2109 — Primary OIC | CRAI1 | — | — |
| V2110 — Assoc OIC 1 -body Region | 99 | No injury | more |
| V2111 — Assoc OIC 1 -aspect | 99 | No injury | more |
| V2112 — Assoc OIC 1 -lesion | 99 | No injury | more |
| V2113 — Assoc OIC 1 -system/Organ | 99 | No injury | more |
| V2114 — Assoc OIC 1 -severity | 9 | Unknown | more |
| V2115 — Assoc OIC 1 | — | — | — |

Case # 356: Occupant # 1

| Variable Number and Name | Code Value | Code Description | Other Options |
|--------------------------------------|------------|---|----------------------|
| V2001 — Occupant Number | 01 | Occupant #1 | more |
| V2002 — Occupant Role At 1st Impact | 1 | Motor vehicle driver | more |
| V2003 — Occupant Position -row | 1 | 1st row | more |
| V2004 — Occupant Position -lateral | 1 | Left | more |
| V2005 — Occupant Position -posture | 10 | Sitting on seat | more |
| V2006 — Occupant Age In Years | 77 | — | — |
| V2007 — Occupant Age In Months | 25 | 25 months or older | more |
| V2008 — Occupant Mass | 109 kg | — | — |
| V2009 — Occupant Height | 191 cm | — | — |
| V2010 — Occupant Sex | 1 | Male | more |
| V2011 — Occupant Treatment/Mortality | 04 | Hospitalized over 24 hrs or for significant treatment | more |
| V2012 — Injury Severity Score | 22 | — | — |
| V2013 — Non-impact Med Condition | 0 | None | more |
| V2014 — Police Injury Severity | 2 | B - Non-incapacitating Injury | more |
| V2015 — Active Restraint System | 3 | Both lap belt and shoulder harness | more |
| V2016 — Active Restraint Usage | 0 | None (available but not used) | more |
| V2017 — Passive Restraint System | 1 | Air bag installed | more |
| V2018 — Passive Restraint Usage | 2 | Air bag deployed | more |
| V2019 — Child Seat Type | 88 | Not applicable (adult or older child) | more |
| V2020 — Occupant Ejection Degree | 0 | None | more |
| V2021 — Occupant Ejection Area | 98 | Not applicable (not ejected) | more |
| V2022 — Highest OIC Severity | 3 | Serious | more |

| | | | |
|----------------------------------|---|----------------------|----------------------|
| V2023 — Head Restraint Available | 1 | Equipped | more |
| V2024 — Occupant Eyewear | 0 | None | more |
| V2025 — Source of Occupant Info | 7 | Combination of above | more |











AIR RIDE

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SILHOUETTE

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SEEK

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PROG
PRE
SET



P

AIR





























... can be killed by the air bag.
... the SAFEST place for children.
... as possible from the front.
... use SEAT BELTS and CHILD RESTRAINTS.

AVERTISSEMENT

DANGER DE MORT ou de BLESSURES GRAVES.
Le sac gonflable peut tuer les enfants de 12 ans et moins.
Le SIÈGE ARRIÈRE est l'endroit LE PLUS SÛR pour les enfants.
NE JAMAIS placer à l'avant un dispositif de protection pour enfant faisant face à l'avant que possible du sac gonflable.
S'asseoir avec/ loin que possible du sac gonflable.

TOUJOURS utiliser les CEINTURES DE SÉCURITÉ et les DISPOSITIFS DE PROTECTION POUR ENFANT.

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